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Kind of Application:
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Critical Date of Publication:
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No. of Claims:
                                          (1)
Applicant: ATOM CORP
Inventor: SAITO SUSUMU, WAKABAYASHI KEISUKE
iPC: <u>A61M 5/00 ,320</u>
      A61M 5/14 ,485D A61M 5/00
F-Term: 4C066AA07, BB01, CC01, DD12, EE14, FF04, HH03, HH05, QQ23, QQ58, QQ32, QQ44
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[19,1986. 7. 8,04
                     [ (04, JP, Unexamined Utility Model Publication, 1982076637)
[19,1986. 7. 8,04
                      [ (04, JP, Unexamined Utility Model Publication, 1977043396)
 [19,1986. 7. 8,04
                        [ (04, JP, Unexamined Patent Publication, 1981031758)
 [19,1987. 5.15,04
                        ] (04, JP, Unexamined Patent Publication, 1973062289)
Title of Invention: TRANSFUSION APPARATUS
Abstract: Pressure in the pressure sensor niyotsute cylinder which slider
         was provided with is detected, abnormality such as needle foolishness to
         be able to put by the end of transfusion by comparing reference value to
         show abnormal condition to with this pressure, needle zumari is
         detected in *kaku, and transfusion is always performed safely.
         Pressure sensor 39 detecting fluid pressure in syringe 24 is installed
         in pressing department 22 pressing with sucker 25, sign S ? P ? R to show
         pressure to is added to initial value storage circuit 41 and pressure
         conversion circuit 42 through amplifier 40.
         This initial value storage circuit 41 offsets thing nivotsute pulling line
         tsuteirutokino pressure value by impregnation from this initial
         pressure value in pressure conversion circuit 42 with a thing storing pressure
         value when decommissioning time liquid is not poured, temperature drift,
         drag of syringe 24.
         Arch forming value evolution circuit 44, disconnection value evolution
         circuit 45 and each reference value to show abnormality of pressure to
         from abnormal value evolution circuit 46 are given comparison circuit 43,
         it is compared with pressure signal S ? P ? S, detection signal S ? A of
         abnormal condition is added to alarm signal generator 38.
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\*\* Result [P ] \*\* Format(P803) 2006.04.06

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Relation to Original Application:
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                                                      )
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                                                  )
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                                           (0)
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 Kind of Examination:
                                           (01)
 Examination Intermediate Record:
         1983/ 6/ 9, PATENT APPLICATIONUTILITY MODEL
 (A63
REGISTRATION APPLICATION,
    6300: )(A621 1983/ 6/ 9,WRITTEN REQUEST FOR
EXAMINATION, 25500: )
         1986/ 8/12, WRITTEN NOTICE OF REASON FOR
  (A131
REJECTION,
             : }
  (A522 1986/10/ 9, WRITTEN AMENDMENT,
          1986/10/ 9, WRITTEN OPINION,
 . (A53
          1987/ 7/14, WRITTEN NOTICE OF REASON FOR REJECTION,
  (A131
  (A523
          1987/ 9/11, WRITTEN AMENDMENT,
  .(A53
          1987/ 9/11, WRITTEN OPINION,
  (A15
         1988/ 5/24, DECISION OF PUBLICATION OF APPLICATION,
  (A641
         1988/12/ 3, WRITTEN OPPOSITION, 8800: )
  (A651
         1989/ 1/ 4, WRITTEN SUPPLEMENT OF GROUNDS FOR OPPOSITION,
  (A364
          1989/ 3/29, OPPOSITION RETURN,
          1989/ 6/ 6, INVITATION TO REPLY,
  (A17
  (A57
          1989/ 7/27, WRITTEN REPLY,
                                             )
  (A523
          1989/ 7/27, WRITTEN AMENDMENT,
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  (A318
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         1992/ 4/ 7, DECISION OF OPPOSITION,
  (A16
          1992/ 4/ 7, DECISION OF OPPOSITION,
  (A16
          1992/ 4/ 7, DECISION TO GRANT A PATENTDECISION OF REGISTRATION,
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     ) (A61
              1992/ 5/ 6, PAYMENT OF ANNUAL FEE,
*** Trial No./Date:
  Kind of Trial: [
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 Opponent:
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  Final Disposition of Trial or Appeal/Date:
               ) [
                             ]
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         1997/ 7/16,A WRITTEN ANNUITY PAYMENT, 89600:01)
  (R20
         1997/ 8/19, A RECEIPT OF ANNUITY PAYMENT (INSTALLMENT PAYMENT),
  (R250
              1998/ 8/ 7,A WRITTEN ANNUITY PAYMENT,
   01) (R20
                                                      89600:02)
         1998/ 9/18, A RECEIPT OF ANNUITY PAYMENT (INSTALLMENT PAYMENT),
  (R250
   02) (R20
              1999/ 9/17, A WRITTEN ANNUITY PAYMENT, 175200:03)
         1999/10/26, A RECEIPT OF ANNUITY PAYMENT (INSTALLMENT PAYMENT),
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